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Customer No. 23696
 Attorney Docket No.: 040129
 Date: 04/02/2004
 Express Mail Label No.: EV384114405US

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): Hakan Inanoglu

For: Calibration of Transmit and Receive Chains in a MIMO Communication System

Enclosed are:

1. Patent application (38) total pages.
2. Drawings: Formal (8) sheet(s) or Informal () sheet(s).
3. Declaration/Power of Attorney: Signed Unsigned
4. This application claims priority from Application Serial No., Filed, Status.
5. An Assignment (2) pages and Recordation Form Cover Sheet.
6. A Preliminary Amendment () pages.
7. Information Disclosure Statement (IDS):
 - a. PTO-1449
 - b. Copies of IDS Citations (number of citations:)
8. Other:

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	32 - 20	12	x \$18 =	\$216.00
Independent**	6 - 3	3	x \$86 =	\$258.00
Multiple Dependent Claim(s):	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		\$290	\$0.00
APPLICATION FILING FEE			\$770	\$770.00
			TOTAL FEE	\$1,244.00

*If the number in column a is less than 20, enter 0 in column b.

**If the number in column b is less than 3, enter 0 in column b.

9. A check in the amount of \$_____ is enclosed to pay the filing fee.
10. Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$1,244.00. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
11. The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: 04/02/2004

Signature:

Thien T. Nguyen, Reg. No. 43,835
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